



# COMMONWEALTH of VIRGINIA

## DEPARTMENT OF ENVIRONMENTAL QUALITY

### Blue Ridge Regional Office

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NOV 14 2014

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Mr. R. Clarke Wallcraft  
Executive Director  
Pepper's Ferry Regional Wastewater Treatment Authority  
P.O. Box 2950  
Radford, VA 24143-2950

RE: VPDES Permit No. VA0062685, Minor Modification

Dear Mr. Wallcraft:

This letter is to transmit amended pages for the referenced VPDES permit for the Pepper's Ferry Regional Wastewater Treatment Authority. A minor modification has been processed to remove references to Discharge Monitoring Reports (DMRs) for biosolids reporting. Instead of using the DMRs that were previously transmitted with your permit (SO1 and SP1), biosolids reporting should be submitted to DEQ electronically using the VPDES\_Biosolids\_Residuals\_Monitoring\_Report Excel spreadsheet. The amended Page 1 of 26 and Page 4 of 26 of Part III of VPDES Permit No. VA0062685 are enclosed. Please replace the pages in your copy of the permit and keep this letter with the permit to document the change.

If you have any questions, please contact Lynn V. Wise at (540)562-6787 or by email to [lynn.wise@deq.virginia.gov](mailto:lynn.wise@deq.virginia.gov).

Sincerely,

Robert J. Weld  
Regional Director

Enclosure



During the period beginning with the permit's effective date and lasting until the permit's expiration date, and in accordance with 9VAC25-31-420 – 720, 9VAC25-32-303 *et seq.*, and the limitations, conditions and requirements set forth in this permit, the permittee is authorized to land apply biosolids and manage the pollutants in the biosolids land applied under the authority of this permit.

All biosolids samples shall be collected and analyzed in accordance with Title 40 of the Code of Federal Regulations, Parts 503 and 136. Analyses shall be conducted by a VELAP accredited environmental laboratory. The permittee shall ensure that all biosolids land applied in Virginia through this permit are monitored in accordance with the monitoring requirements in Part III.A.

## A. LIMITATIONS AND MONITORING REQUIREMENTS

### 1. Class B Biosolids Annual Production Monitoring

- a. The permittee shall report the annual total amount of biosolids produced (in dry metric tons) and annual amount of biosolids (in dry metric tons) distributed for land application.
- b. Metals Limitations — Pollutants in biosolids that are land applied under the authority of this permit shall be monitored and limited as specified below. Biosolids shall not be applied to the land if the concentration of any pollutant in the biosolids exceeds the ceiling limitation of that pollutant.

PARAMETERS <sup>(1)</sup>	PC / CPLR LIMITATIONS	CEILING LIMITATIONS	MONITORING REQUIREMENTS	
	Monthly Average (mg/kg) <sup>(2)</sup>	Maximum (mg/kg) <sup>(2)</sup>	Frequency	Sample Type
Arsenic	41	75	once per quarter	Composite
Cadmium	39	85	once per quarter	Composite
Copper	1,500	4,300	once per quarter	Composite
Lead	300	840	once per quarter	Composite
Mercury	17	57	once per quarter	Composite
Molybdenum	NL <sup>(3)</sup>	75	once per quarter	Composite
Nickel	420	420	once per quarter	Composite
Selenium	100	100	once per quarter	Composite
Zinc	2,800	7,500	once per quarter	Composite

NL = no limitations, monitor and report

- (1) All constituents are subject to cumulative pollutant loading rates (CPLR), pollutant concentrations (PC), and ceiling limits. PC biosolids contain the constituents identified above at concentrations below the monthly average specified in Part III.A.1.b. CPLR biosolids contain the constituents identified above at concentrations above the monthly average and each sample must be below the maximum concentration specified in Part III.A.1.b. If the concentration of any of these constituents in biosolids from any source exceeds the monthly average concentration, then the biosolids from the source are subject to CPLR rules (Part III.A.1.c and Part III.I.16.)
- (2) All limits and criteria are expressed on a dry weight basis.
- (3) The monthly average concentration for molybdenum is currently under study by USEPA. Research suggests that a monthly average molybdenum concentration below 40 mg/kg may be appropriate to reduce the risk of copper deficiency in grazing animals



**A. LIMITATIONS AND MONITORING REQUIREMENTS (continued)**

f. Biosolids Characteristics — Biosolids that are land applied under the authority of this permit shall be monitored and limited as specified below:

PARAMETERS	LIMITATIONS		MONITORING REQUIREMENTS	
	Monthly Average	Minimum and Maximum	Frequency	Sample Type
Percent Solids (%)	NL	NA	once per quarter	Composite
Volatile Solids (%)	NL	NA	once per quarter	Composite
Total Kjeldahl Nitrogen (mg/kg) <sup>(1)</sup>	NL	NA	once per quarter	Composite
Ammonia Nitrogen (mg/kg) <sup>(1)</sup>	NL	NA	once per quarter	Composite
Nitrate Nitrogen (mg/kg) <sup>(1)</sup>	NL	NA	once per quarter	Composite
Total Phosphorus (mg/kg) <sup>(1)</sup>	NL	NA	once per quarter	Composite
Total Potassium (mg/kg) <sup>(1)</sup>	NL	NA	once per quarter	Composite
pH (S.U.)	NA	NL	once per quarter	Composite
Alkalinity as CaCO <sub>3</sub> (mg/kg) (if lime by weight is less than 10%)	NL	NA	once per quarter	Composite
CCE as CaCO <sub>3</sub> (%) (if lime by weight is 10% or more)	NL	NA	once per quarter	Composite

NL = no limitations, monitor and report; NA = not applicable

(1) Expressed on a dry weight basis.